

CLAIMS

1. A fluid dispenser comprising:

• a fluid reservoir (10) serving to contain fluid;
and

5 • a dispenser head (2) mounted on the reservoir (10)
to take fluid from the reservoir, said head (2) defining
a dispensing chamber (26) communicating with the
reservoir via an inlet valve (25, 215) and communicating
with the outside at a dispensing orifice via an outlet
10 valve (237, 222);

 said dispenser being characterized in that the
chamber (26) comprises at least one elastically
deformable actuating wall (231) that is depressed in
order to generate a pressure inside the chamber that is
15 high enough to close the inlet valve and to open the
outlet valve.

2. A dispenser according to claim 1, in which the
actuating wall (231) is formed by a sleeve (23) that is
20 at least locally flexible and that internally defines a
portion (263) of the dispensing chamber (26).

3. A dispenser according to claim 1 or claim 2, in which
the head (2) has a top (222) opposite from the reservoir,
25 the dispensing orifice (27) being placed substantially at
the top of the head.

4. A dispenser according to claim 1, claim 2, or claim 3,
in which the outlet valve forms the dispensing orifice
30 from which the dispensed fluid can be collected.

5. A dispenser according to claim 2, claim 3, or claim 4,
in which the sleeve (23) has a stationary end forming
anchor means (234) and an opposite end forming a flexible
35 lip (237) in leaktight abutment against a seat (222), the
lip and the seat together forming the outlet valve.

6. A dispenser according to any preceding claim, in which the head (2) has a body (21) forming a ring (211) serving to co-operate with the reservoir (10) for fastening the head (2) to the reservoir (1), said body (21) forming an inlet valve seat (215).
7. A dispenser according to any preceding claim, in which the head (2) further has a tube (22) having a fastening end (277) and an opposite end (222) forming an outlet valve seat, the sleeve (23) extending around the tube (22).
8. A dispenser according to claim 7, in which the tube (22) defines an internal volume (262) in which the inlet valve (25, 215) is received, the internal volume communicating with a peripheral volume (263) that extends around the tube inside the sleeve (23) via at least one through opening (233), the dispensing chamber (26) including the internal volume (262) and the external volume (263).
9. A dispenser according to any one of claims 5, 6, and 7, in which the tube (22) is fastened to the body (21) via its fastening end (227), the sleeve (23) being fastened to the tube and to the body via its anchor means (234).
10. A dispenser according to any preceding claim, in which the reservoir is "airless", i.e. it does not have any air intake.
11. A dispenser according to any preceding claim, in which the reservoir (10) is elongate and is preferably in the form of a fine tube.
12. A dispenser according to any preceding claim, having the general shape of a pen that can be grasped in the

hand in the manner of a pen, so that at least one finger of the hand is placed on the actuating wall (231) with the dispensing orifice disposed at the tip of the pen.

- 5 13. A dispenser according to any one of claims 2 to 12, in which the sleeve (23) is surrounded by a substantially rigid sheath (24') that defines at least one window (245) giving access to the actuating wall (231).
- 10 14. A dispenser according to any one of claims 2 to 13, in which the sleeve (23) is provided with a cap (25; 28) preventing access to the actuating wall.
- 15 15. A dispenser according to claim 13 and 14, in which the cap (25) is mounted to turn on the rigid sheath (24') and is provided with at least one opening (255) serving to come into register with said at least one window (245) in a manner such as to enable the actuating wall to be accessed through a window and through an opening, with
20 the window and the opening being mutually in register.
16. A dispenser according to claim 14, in which the cap (28) has a collar (284) in contact with the sleeve.